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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/900,224 | 07/06/2001 | Jeffrey D. Carr | 45188/FLC/B600 | 4002 |

23363 7590 04/28/2005

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EXAMINER

MOORTHY, ARAVIND K

ART UNIT PAPER NUMBER

2131

DATE MAILED: 04/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/900,224

Applicant(s)

CARR, JEFFREY D.

Examiner

Aravind K. Moorthy

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 December 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This is in response to the amendment filed on 21 December 2004.
2. Claims 1-10 are pending in the application.
3. Claims 1-10 have been rejected.

Response to Arguments

4. Applicant's arguments with respect to claims 1-10 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

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5. Claims 1-3 and 7 are rejected under 35 U.S.C. 102(e) as being anticipated by Brown et al U.S. Patent No. 6,732,179 B1.

As to claim 1, Brown et al discloses a method for concealing parameter transferred between a first and second device, characterized by:

generating by the first device a control signal and a parameter signal [column 8, lines 1-14];

transforming by the first device a portion of the control signal with the parameter signal to generate an encrypted parameter signal and control signal [column 8, lines 1-14];

transmitting by the first device to the second device the control signal and the encrypted parameter signal and control signal [column 8, lines 1-14];

receiving by the second device from the first device the control signal and the encrypted parameter signal and control signal [column 8, lines 15-40]; and

generating by the second device a destination parameter signal using the control signal and the encrypted parameter signal and control signal [column 8, lines 41-62].

As to claim 2, Brown et al discloses that the method is further characterized by:

generating by the first device a first key signal using the control signal [column 10, lines 11-25]; and

wherein transforming comprises a source parameter signal using the first key signal [column 10, lines 11-25].

As to claim 3, Brown et al discloses that the method is further characterized by:

generating by the second device a second key signal using the control signal [column 10, lines 11-25]; and

generating by the second device the destination parameter signal by inversely transforming the encrypted parameter signal using the second key signal [column 10, lines 11-25].

As to claim 4, Brown et al discloses that the method is further characterized by:

generating by the first device a key index signal [column 12, lines 13-33];

generating by the first device a key variable signal [column 12, lines 13-33];

transmitting by the first device to the second the key index signal and the key variable signal [column 12, lines 13-33];

receiving by the second device from the first device the key index signal and the key variable signal [column 12, lines 13-33];

generating by the second device an intermediate key signal using the key index signal and a key table [column 12, lines 13-33]; and

generating by the second device the second key signal using the intermediate signal and the variable signal [column 12, lines 13-33].

As to claim 5, Brown et al discloses generating by the second device the second key signal from the intermediate key signal and the key variable signal using a hash function [column 11 line 59 to column 12 line 12].

As to claim 6, Brown et al discloses that the method is further characterized by:

generating by the second device from the encrypted control signal using the second key signal an inversely transformed control signal portion [column 11 line 59 to column 12 line 12]; and

comparing by the second device the inversely transformed control signal portion to a portion of the received control signal [column 11 line 59 to column 12 line 12].

As to claim 7, Brown et al discloses an apparatus for processing a concealed parameter received by a device, characterized by:

a control logic block to receive a control signal and an encrypted parameter signal and control signal [column 8, lines 1-14];

an interface operation logic block operably coupled the control signal block generate a destination parameter signal using the control signal and the encrypted parameter signal and control signal [column 8, lines 41-62].

As to claims 8 and 9, Brown et al discloses that the apparatus is further characterized by:

a key table module including indexed transformation keys, the key table module operably coupled to the control logic block, the key table module to generate an intermediate key signal using a key index signal received from the control logic block [column 12, lines 13-33];

a key interface stage operably coupled to the key table module and the control logic block for generating a key signal using the intermediate key signal received from the key table module and key variable signal received from the control logic block [column 12, lines 13-33]; and

an inverse transformation module operably coupled to the key interface stage and the control logic block, the inverse transformation module to generate the destination parameter signal by inversely transforming the encrypted parameter signal using the key signal received from the key interface stage [column 12, lines 13-33].

As to claim 10, Brown et al discloses that the apparatus is further characterized by a hash function stage operably coupled to the key interface stage [column 11 line 59 to column 12 line 12]. Brown et al discloses that the hash function stage is to generate the key signal from the intermediate key signal and the key variable signal [column 11 line 59 to column 12 line 12].

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aravind K. Moorthy whose telephone number is 571-272-3793. The examiner can normally be reached on Monday-Friday, 8:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R. Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Aravind K Moorthy *AM*
April 18, 2005


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